

Run on: July 1, 2003, 17:51:55 ; Search time 26 Seconds
 OM protein - protein search, using sw model

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Scoring table: BLOSSUM62 Gapop 10.0 , Gapext 0.5

Searched: 424699 seqs, 109646833 residues

Total number of hits satisfying chosen parameters: 424699

Minimum DB seq length: 0

Maximum DB seq length: 20000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database :

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8: /cgn2_6/ptodata/1/pubpaa/us08_pubcomb_pep.*          %           8: /cgn2_6/ptodata/1/pubpaa/us08_pubcomb_pep.*          %
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10: /cgn2_6/ptodata/1/pubpaa/us09_pubcomb_pep.*          %          10: /cgn2_6/ptodata/1/pubpaa/us09_pubcomb_pep.*          %
11: /cgn2_6/ptodata/1/pubpaa/us10_new_pub_pep.*          %          11: /cgn2_6/ptodata/1/pubpaa/us10_new_pub_pep.*          %
12: /cgn2_6/ptodata/1/pubpaa/us10_pubcomb_pep.*          %          12: /cgn2_6/ptodata/1/pubpaa/us10_pubcomb_pep.*          %
13: /cgn2_6/ptodata/1/pubpaa/us60_new_pub_pep.*          %          13: /cgn2_6/ptodata/1/pubpaa/us60_new_pub_pep.*          %
14: /cgn2_6/ptodata/1/pubpaa/us60_pubcomb_pep.*          %          14: /cgn2_6/ptodata/1/pubpaa/us60_pubcomb_pep.*          %

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	score	query match length	db id	description
1	2167	99.1	405	9 US-10-109-498-1
2	2167	99.1	405	9 US-09-782-587B-1
3	2167	99.1	406	9 US-09-782-587B-3
4	2157	99.1	406	9 US-10-255-032-1
5	2157	99.1	466	9 US-10-017-122-2
6	2098	95.9	426	9 US-10-295-682-1
7	2098	95.9	426	9 US-09-935-12A-1
8	849	38.8	461	10 US-10-234-406-8
9	849	38.8	461	10 US-09-884-901-3
10	847	38.7	461	9 US-10-132-829-5
11	847	38.7	461	9 US-10-203-406-6
12	845	38.6	415	10 US-09-118-748-2
13	735	33.7	419	9 US-10-182-263-6
14	735	33.6	419	9 US-10-182-263-5
15	730	33.4	419	9 US-10-182-263-3
16	726	33.2	419	9 US-10-182-263-4
17	726	33.2	419	9 US-10-182-263-4
18	726	33.2	419	9 US-09-978-917A-4

ALIGNMENTS

RESULT 1

US-10-109-498-1

; Sequence 1, Application US/10109498
 ; Publication No. US20030044908A1

; GENERAL INFORMATION:

; APPLICANT: Person, Egon

; TITLE OF INVENTION: Coagulation Factor VII Derivatives

; FILE REFERENCE: 6286_200-US

; CURRENT APPLICATION NUMBER: US/10/109,498

; CURRENT FILING DATE: 2003-03-22

; PRIOR APPLICATION NUMBER: 60/281,261

; PRIOR FILING DATE: 2001-04-03

; PRIOR APPLICATION NUMBER: PA 2001 00477

; PRIOR FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 406

; TYPE: PRT

; ORGANISM: HOMO SAPIENS

; FEATURE: VARIANT

; NAME/KEY: VARIANT

; LOCATION: (1)..(406)

; OTHER INFORMATION: Xaa = Any Amino Acid

Query Match 99.1%; Score 2167; DB 9; Length 406;

Best Local Similarity 100.0%; Pred. No. 1 2e-11; Mismatches 0; Indels 0; Gaps 0;

Matches 406; Conservative 406; Conservative 406; Gapext 0.5

QY 1 ANAFLAXLRPGSLXRCKXXQCSRXARXIFKAXTRKFLWISYSDGDOCASSPCQNGS 60

QY 1 ANAFLAXLRPGSLXRCKXXQCSRXARXIFKAXTRKFLWISYSDGDOCASSPCQNGS 60

QY 61 CKDQLQSYTCFCFLAFEGRNCETHKDDQLCIVNGGCEQYEDSHTGTRKRSRCHESYL 120

Db 61 CKDQLQSYTCFCFLAFEGRNCETHKDDQLCIVNGGCEQYEDSHTGTRKRSRCHESYL 120

Db 61 CKDQLQSYTCFCFLAFEGRNCETHKDDQLCIVNGGCEQYEDSHTGTRKRSRCHESYL 120

QY 121 LABDSVSCPTVEPGCKPILERNASKPQGRVGKVKCPBCPMQVLLYNGAQPLGG 180

QY 121 LABDSVSCPTVEPGCKPILERNASKPQGRVGKVKCPBCPMQVLLYNGAQPLGG 180

Db 121 LABDSVSCPTVEPGCKPILERNASKPQGRVGKVKCPBCPMQVLLYNGAQPLGG 180

QY 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
Db 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
QY 241 HDIALRLHQPVLTIDHVVPCLPERFPTSERLAFRPSLVSGWGLDRAATLMLV 300
Db 241 HDIALRLHQPVLTIDHVVPCLPERFPTSERLAFRPSLVSGWGLDRAATLMLV 300
QY 301 IVSWGOCATVGHFGVYTRVSQYIENLQKLMRSEPRPGVLLRAPF 406
Db 301 IVSWGOCATVGHFGVYTRVSQYIENLQKLMRSEPRPGVLLRAPF 406
QY 361 IVSWGOCATVGHFGVYTRVSQYIENLQKLMRSEPRPGVLLRAPF 406
Db 361 IVSWGOCATVGHFGVYTRVSQYIENLQKLMRSEPRPGVLLRAPF 406

RESULT 2
US-09-782-587B-1
Sequence 1, Application US/09782587B
Publication No. US20030096338A1
GENERAL INFORMATION:
APPLICANT: PEDERSEN, ANDERS H.
APPLICANT: ANDERSON, KIM V.
APPLICANT: BORNES, CLAUS
TITLE OF INVENTION: FACTOR VII OR VIA-LIKE MOLECULES
FILE REFERENCE: 31-001100US
CURRENT APPLICATION NUMBER: US/09/782,587B
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: PA 2000 00218
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/184,036
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/241,916
PRIOR FILING DATE: 2000-10-18
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 406
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)..(7)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (14)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (16)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (19)..(20)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (25)..(26)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (29)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
NAME/KEY: MOD_RES
LOCATION: (35)
OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
; OTHER INFORMATION: Gamma carboxyglutamic acid or glutamic acid
; US-09-782-587B-1

Query Match 99.1%; Score 2167; DB 9; Length 406;
Best Local Similarity 97.5%; Pred. No. 1.2e-151;
Matches 396; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 ANAFLXLRPGSLXRXCKXQCSFXKARXFKDAARTKLFNISYSDGDCASSPQNGGS 60
Db 1 ANAFLXLRPGSLERRECKERBQCFEEAREIFKDAERTKLFNISYSDGDCASSPQNGGS 60
QY 61 CKDQOSYKICFLPPEGRNETHKDQLCVNENGCEQYCSDINGTKRSRCRCHGYS 120
Db 61 CKDQOSYKICFLPPEGRNETHKDQLCVNENGCEQYCSDINGTKRSRCRCHGYS 120
QY 121 LADGVSCTPTVEPKIPLERKMASKPOGRIGVKVCPGECKWQVLLVNGQLCGG 180
Db 121 LADGVSCTPTVEPKIPLERKMASKPOGRIGVKVCPGECKWQVLLVNGQLCGG 180
QY 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
Db 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
QY 241 HDIALRLHQPVLTIDHVVPCLPERFPTSERLAFRPSLVSGWGLDRAATLMLV 300

QY 61 CKDQOSYKICFLPPEGRNETHKDQLCVNENGCEQYCSDINGTKRSRCRCHGYS 120
Db 61 CKDQOSYKICFLPPEGRNETHKDQLCVNENGCEQYCSDINGTKRSRCRCHGYS 120
QY 121 LADGVSCTPTVEPKIPLERKMASKPOGRIGVKVCPGECKWQVLLVNGQLCGG 180
Db 121 LADGVSCTPTVEPKIPLERKMASKPOGRIGVKVCPGECKWQVLLVNGQLCGG 180
QY 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
Db 181 TLINTIIVWSAACFDKIKRNWLIAVLGEHDLSEHDGEOSRRVAQVILPSTYVGTTN 240
QY 241 HDIALRLHQPVLTIDHVVPCLPERFPTSERLAFRPSLVSGWGLDRAATLMLV 300

Db 301 NVRPLMTQDCIQLQSRKVGDSNITEMFACGSDGSKSCKGSPHATHYRGTWLTG 360
 Db 301 NVRPLMTQDCIQLQSRKVGDSNITEMFACGSDGSKSCKGSPHATHYRGTWLTG 360
 Qy 361 IVSWGQGCATVGHFGVYTRVSQYIEWLQKLMSERPRLRAFP 406
 Db 361 IVSWGQGCATVGHFGVYTRVSQYIEWLQKLMSERPRLRAFP 406

RESULT 4
 US-10-255-032-1
 ; Sequence 1, Application US/10255032
 ; Publication No. US20030100075A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NO. US20030100075A10 NO. US20030100075A10 Disk A/S
 ; TITLE OF INVENTION: HUMAN COAGULATION FACTOR VII POLYPEPTIDES
 ; FILE REFERENCE: 6357-WO
 ; CURRENT APPLICATION NUMBER: US/10/255,032
 ; CURRENT FILING DATE: 2002-09-24
 ; PRIORITY NUMBER: 60/327,487
 ; PRIORITY FILING DATE: 2001-10-09
 ; NUMBER OF SEQ ID NOS: 4
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 466
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-017-122-2
 ; Query Match 99.1%; Score 2167; DB 9; Length 466;
 ; Best Local Similarity 97.5%; Pred. No. 1.4e-151; Indels 0; Gaps 0;
 ; Matches 396; Conservative 0; Mismatches 10;
 ; Qy 1 ANAFLXXLRPGSLXRXCKXXCSFXKARXITRDXRKLFWLNTSYSQDQCCSPCONGS 60
 ; Db 61 ANAFLXLRRPSLRECKEEOCSFEEAREIKDAERTKLFWLNTSYSQDQCCSPCONGS 120
 ; Qy 61 CKDQLOSYICCLPAREGRNRNETHKDQDLICVNENGCEQCSDHGTRKRCRCHGSL 120
 ; Db 121 CKDQLOSYICCLPAREGRNRNETHKDQDLICVNENGCEQCSDHGTRKRCRCHGSL 180
 ; Qy 121 LADGSCPTPEYPCKIPILEKRNAKSPQRIVGGKVCPGECPMQLVNGAOLCGG 180
 ; Db 181 LADGSCPTPEYPCKIPILEKRNAKSPQRIVGGKVCPGECPMQLVNGAOLCGG 240
 ; Qy 181 TLINTIWVVAHCDFIKIKNWRNLIAVLGEIDLSEIDGDEOSRRVAVQIISTYVGTTN 240
 ; Db 241 TLINTIWVVAHCDFIKIKNWRNLIAVLGEIDLSEIDGDEOSRRVAVQIISTYVGTTN 300
 ; Qy 241 HDIALRLHQPVLDHVPLCLPERTFSERTLAFVRPLSLVSGWGLDRAATELMVL 300
 ; Db 301 HDIALRLHQPVLDHVPLCLPERTFSERTLAFVRPLSLVSGWGLDRAATELMVL 360
 ; Qy 301 NVRPLMTQDCIQLQSRKVGDSNITEMFACGSDGSKSCKGSPHATHYRGTWLTG 360
 ; Db 361 NVRPLMTQDCIQLQSRKVGDSNITEMFACGSDGSKSCKGSPHATHYRGTWLTG 420
 ; Qy 361 IVSWGQGCATVGHFGVYTRVSQYIEWLQKLMSERPRLRAFP 406
 ; Db 421 IVSWGQGCATVGHFGVYTRVSQYIEWLQKLMSERPRLRAFP 466

RESULT 5
 US-10-017-122-2
 ; Sequence 2, Application US/10017122
 ; Publication No. US20030087244A1
 ; GENERAL INFORMATION:

Query Match 95.9%; Score 2098; DB 9; Length 426;
 ; Best Local Similarity 92.5%; Pred. No. 1.5e-146;

QY 220 EQRERRAQVITIPSTVPGT--NHDIALLRLHQPVVLTHWVPLCLPERTFSERTLAFVR 277
 Db 291 EQRKRVIRIPHHNNAINKYNDIALLDEPLVLNSVTPICIADK--EYTNIFLK 347
 QY 278 F--SLVSGWQQLDRGATAELMLVNPRIMTOCLOQSRSKVGSPNITEYMFCAGYSDG 335
 Db 348 FGGSVWSGMGRVFRGRSALVQXIPVLPDRATCLRSTKF---TINNMCAFHFG 402
 QY 336 SKDCKGDGGPHATHYRGTWLGLIVSMQGCAVGHFGVYTRVSQYEWLOK 389
 Db 403 GRDSCQGDGGPHTEVEGTSFLIGIISWGESECAMKGKGYIYTYSRVMWKE 456

RESULT 9
 US-09-884-901-3
 ; Sequence 3, Application US/09884901
 ; Patent No. US20020076798A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Miao, Carol
 ; TITLE OF INVENTION: Liver-Specific Gene Expression Cassettes, and Methods of Use
 ; FILE REFERENCE: UO FW-1-13396
 ; CURRENT APPLICATION NUMBER: US/09-884,901
 ; CURRENT FILING DATE: 2001-06-18
 ; PRIORITY APPLICATION NUMBER: 60/212,902
 ; PRIORITY FILING DATE: 2000-06-20
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 3
 ; LENGTH: 461
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-884-901-3

Query Match 38.8%; Score 849; DB 10; Length 461;
 Best Local Similarity 38.9%; Pred. No. 8.8e-55;
 Matches 161; Conservative 71; Mismatches 132; Indels 50; Gaps 7;
 Matches 161; Conservative 71; Mismatches 132; Indels 50; Gaps 7;

QY 11 GSLRXCKXXKOCFSXXKARXKFDKXARTKLFWISVSDGOCASSCQNGSCKDOLSYIC 70
 Db 58 GNLERECMEBEKCSPEAREVFENTERTTERTEFWKQVGDQCESNPCLNGGSKDDINSYC 117
 QY 71 FCLPAFEGRNCEKHDQDLCIVNEGGCQYCSHTGTKRSCRCRHEGYSLADQVSCP 120
 Db 118 WCPFGFEGKNCLE---DVTCTNIKNGRCBFCCKNSADNKVVCSTEGYRLAENOKSCPA 173
 QY 131 VEIPCGKIPPLEKRKASKPO-----
 Db 174 VPEPGRVSTSQTSLKUTRAPIVFPDVYNTSTEATLNONITQSQSFENDTRVGGDA 213
 QY 160 PKGECPWQVILLVNGAQLCGTLINIWVSAHCDFDKIKKNWRULIAVGEHDLSEHGD 219
 Db 234 KPGQFPWQVNLNGKVDAFCGGSVINKEWVTAHC--VETGVKIVVAGEHNTEENT 290
 QY 220 EQRERRAQVITIPSTVPGT--NHDIALLRLHQPVVLTHWVPLCLPERTFSERTLAFVR 277
 Db 291 EQRKRVIRIPHHNNAINKYNDIALLDEPLVLNSVTPICIADK--EYTNIFLK 347
 QY 278 F--SLVSGWQQLDRGATAELMLVNPRIMTOCLOQSRSKVGSPNITEYMFCAGYSDG 335
 Db 348 FGGSVWSGMGRVFRGRSALVQXIPVLPDRATCLRSTKF---TINNMCAFHFG 402
 QY 336 SKDCKGDGGPHATHYRGTWLGLIVSMQGCAVGHFGVYTRVSQYEWLOK 389
 Db 403 GRDSCQGDGGPHTEVEGTSFLIGIISWGESECAMKGKGYIYTYSRVMWKE 456

RESULT 11
 US-10-234-406-6
 ; Sequence 6, Application US/10234406
 ; Publication No. US20030109478A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FEWEL, Jason G.
 ; APPLICANT: MACLAUGHLIN, Fiona
 ; APPLICANT: SMITH, Louis C.
 ; APPLICANT: NICOL, Francois
 ; APPLICANT: ROLLAND, Alain
 ; TITLE OF INVENTION: NUCLEIC ACID FORMULATIONS FOR GENE DELIVERY AND METHODS OF USE
 ; CURRENT APPLICATION NUMBER: US/10/234,406.
 ; CURRENT FILING DATE: 2002-09-03
 ; PRIORITY APPLICATION NUMBER: US 60/187,236
 ; PRIORITY FILING DATE: 2000-03-03
 ; PRIORITY APPLICATION NUMBER: US 60/261,751
 ; PRIORITY FILING DATE: 2001-01-16
 ; PRIORITY APPLICATION NUMBER: PCT/US01/06953
 ; PRIORITY FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 6
 ; LENGTH: 461

RESULT 10
 US-10-132-829-5
 ; Sequence 5, Application US/10132829
 ; Publication No. US20030044982A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chien, Kenneth R

;

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Expression plasmid PFN0945 having natural sequence encoding human US-10-234-406-6

Query Match 38.7%; Score 847; DB 9; Length 461;
Best Local Similarity 38.9%; Pred. No. 1.2e-54;
Matches 161; Conservative 71; Mismatches 132; Indels 50; Gaps 7;

Oy 11 GSLXRKXXQCSFXKARXIKDXRKTFLWISYSDGDOCASSPCONGSCKDOLSYIC 70
Db 58 GNLERECMEKECSFEERREVENTESTEFTFWKQIVDGDQCESNPCLNGSCKDDINSYC 117
Oy 71 FCLPAFFGRNCETHKOPOLICVNENGCEOCYCSDFHGTKSRCRCHEGYSLLADGSCTPT 130
Db 118 WCPFGFEGKNCLE---DVTCKNIKGRCOEQFCNSADNKVVCSCREGYRLAENQKSCPEA 173
Oy 131 VBYPCGRKIPILEKRKNASKPO-----
Db 174 VPFPGCRKVSVQSQTSKLRAETVFPDVYVNSTEATITLDNTQSTOSFENDPTRYVGGEDA 233
Oy 160 PKGECPPWQVILLVNGAQLCGSGTLINTIWVSAHCFDKIKWNRLIAVLGEHDSEHGD 219
Db 234 KPGQFPQWVQVLLNGKVDAGGGSIIVNEKWKVWRAHC--VETGKVTIVAGEHNIEETHT 290
Oy 220 EQRSSRVAVQVILPSTVPGTT--NHDIALLRHQVPLTDHVWPLCUPERTSERTIAFVR 277
Db 291 EOKRNVRILIPHNNYNAINKVNHDIALLEDEPLVLSNVTPICIAK--EYINIFLK 347
Oy 278 F--SLVSGWGLLDRGATALEMVNLVNPRLMTQDCLOQRSKVKGSPNTEYMFAGSDG 335
Db 348 FGSGFVSGWGRVFKGRSLVQLRVLVDRATCLRSTK----TIVNMFCAGFHG 402
Oy 336 SKDSKGDSGSGPHATHYRGWTLYLGIVSMWGCGATVGHFGVYTRVSQYIENLQK 389
Db 403 GRDSCQGDSSGPVHTEVEGTSFLTGISWGBECAMKGKYGYTAKVSRVWNKIE 456

RESULT 12
US-09-118-748-2

Sequence 2, Application US/09118748A
Patent No. US20030031799A1

APPLICANT: Stafford, Darrel W.
APPLICANT: Chang, Jinli

TITLE OF INVENTION: Factor IX Antihemophilic Factor with Increased Clotting

FILE REFERENCE: 5470-183

CURRENT APPLICATION NUMBER: US/09/118,748A

EARLIER APPLICATION NUMBER: 60/053,571

EARLIER FILING DATE: 1997-07-21

NUMBER OF SEQ ID NOS: 2

SOFTWARE: Patentin Ver. 2.0

SQ ID NO 2
LENGTH: 415

TYPE: PRT

ORGANISM: Homo sapiens

US-09-118-748-2

Query Match 33.7%; Score 736; DB 9; Length 419;
Best Local Similarity 37.1%; Pred. No. 1.6e-45;
Matches 157; Conservative 74; Mismatches 156; Indels 36; Gaps 10;

Oy 1 ANAFLXXLRPGSLRXCKXQCSFXKARXIKDXRKTFLWISYSDGDOC-----AS 52
Db 1 ANSFLEELRQSLRECREBIECOPDEEAKIFEDVDTLAFWSKRVGDQCLVPLERHCA 60
Oy 53 SPCONGSCKDOLSYICFCLPAREGRNCETHADOLICVNENGCEOCYCSDFHGTKSIC 112
Db 61 SLCCGHSCTIDGTSFSDCRSGWEGRCQ-REWSFLNSLDNGCTHYCLEEVGWR-C 118
Oy 113 RCHEGYSLLADGVSTPTVPGCK-IPILEKRKNASKPOG-----RTYGKVKP 161
Db 119 SCRRGKIGDQDLCRHPAVKPGCPWPWKRMRSHLRKDDEQDQVPRLIKGMTRR 178
Oy 162 GCPFWQVILLVNGAQL-CGGTLINTIWVSAHCFDKIKWNRLIAVLGEHDSEHGD 220
Db 179 GSFWQVLLDSSKRLACGAVLHSWVLAHMDSEK--KLIVRLGEYDLRWEK 235
Oy 221 QSPRRAVQVILPSPVPGTINHDIALLRHQVPLTDHVWPLCUPERTSERTIAFVR-RFS 279
Db 236 LPLDIKEVVFHVNYSKSTDNDIALLHQAOPATLSQITPICLPSLAEERLNQAOET 295
Oy 280 LVSGWGLLDRGATA----LEMVNLVNPRLMTQDCLOQOSRSRKGDSNITEYMFAGSDG 334
Db 296 LYTGWVHSSRKKEAKRNTRFLNFKIPVVFHNECEVM----SNMSENMCAGILG 350

RESULT 14
 US-10-182-263-5
 Sequence 5, Application US/10182263
 Publication No. US20030022354A1
 GENERAL INFORMATION:
 APPLICANT: Gerlitz, Bruce E
 APPLICANT: Jones, Bryan E
 APPLICANT: Grinnell, Brian W
 TITLE OF INVENTION: PROTEIN C DERIVATIVES
 FILE REFERENCE: X-13611
 PRIORITY APPLICATION NUMBER: 60/181948
 CURRENT APPLICATION NUMBER: US/10/182,263
 CURRENT FILING DATE: 2002-07-22
 PRIORITY FILING DATE: 2000-03-14
 PRIORITY APPLICATION NUMBER: 60/181949
 PRIORITY FILING DATE: 2002-02-11
 PRIORITY FILING DATE: 2002-02-11
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: Patentin version 3.1
 SEQ ID NO 3
 LENGTH: 419
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-182-263-5
 Query Match 33.6%; Score 735; DB 9; Length 419;
 Best Local Similarity 37.1%; Pred. No. 1; 9e-45;
 Matches 157; Conservative 74; Mismatches 156; Indels 36; Gaps 10;
 Qy 1 ANAFLXXLRPGSLXKCKXXQCSFXXRKFIDAXRKPLFWIYSYSDOC-----AS 52
 Db 1 ANSFLEELRHGSLERECIEICDFEEKEIFEDVDTLAFWNSKRHVGDQCLVLEHPCA 60
 Qy 53 SPCONGGSCSKDQLQSYICFLCPAPEGINCENHKKDOLICVNGGEQYSQDHGTGRSC 112
 Db 61 SLCCGHGMDIGSGFSFCDRCRGSGWEGRCQ REVSEFLNCSDLNGGCTHYCLEEVGRR-C 118
 Qy 113 RCEHEGSIALLADGSCTTVEYCGK-IPILEKRNASKPQG-----IUVGGKVCPK 161
 Db 119 SCAPGYKLGDLLQCHPAVKFPGRPWKRMEKKRSHLKRTDQEDQVPRLIKGMTR 178
 Qy 162 GCECPWQVILVINGAQ-LGGTLINTIIVWSAACFDKIKNNRLIAVLGEHDLSENDGE 220
 Db 179 GDSPWQVILUDSKKSKSACGAVALHPSWLTAAHCMDSK--KLLVRLGEYDLRRWEKWE 235
 Qy 221 OSRVAQVITPSITVPGTNTNDIALRHLQPYVLTDPHVLCLPERTESRTLAFV-RFS 279
 Db 236 LDLDIKEVVFPHNPKSTTDNDIALHLQPATLSQTIVPCLPDGLAERLNQOET 295
 Qy 280 LVSONGQOLDGATA---LEMLVNLPRMWDQCLQOSRSRKVGDSNITEMFAGYSD 334
 Db 295 LYTCGWGVISREAKRNTRTVFIKIFVPHNECBWM----SNVSENMICAGLG 350
 Qy 335 GSKDCKGDSGGPHATHYGTWYLGIWSWQGQCATVGHFGVTRVSQYIENQKLMS 394
 Db 351 DRDACEGDSGGPVAVSFHGTFWLGLVSWGECGGLLHNNGVYTKVSRYLDWIGHIRDK 410
 Qy 395 PRP 397
 Db 411 EAP 413

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 Qy 1 ANAFLXXLRPGSLXKCKXXQCSFXXRKFIDAXRKPLFWIYSYSDOC-----AS 52
 Db 1 ANSFLEELRHGSLERECIEICDFEEKEIFEDVDTLAFWNSKRHVGDQCLVLEHPCA 60
 Qy 53 SPCONGGSCSKDQLQSYICFLCPAPEGINCENHKKDOLICVNGGEQYSQDHGTGRSC 112
 Db 61 SLCCGHGMDIGSGFSFCDRCRGSGWEGRCQ REVSEFLNCSDLNGGCTHYCLEEVGRR-C 118
 Qy 113 RCEHEGSIALLADGSCTTVEYCGK-IPILEKRNASKPQG-----IUVGGKVCPK 161
 Db 119 SCAPGYKLGDLLQCHPAVKFPGRPWKRMEKKRSHLKRTDQEDQVPRLIKGMTR 178
 Qy 162 GCECPWQVILVINGAQ-LGGTLINTIIVWSAACFDKIKNNRLIAVLGEHDLSENDGE 220
 Db 179 GDSPWQVILUDSKKSKSACGAVALHPSWLTAAHCMDSK--KLLVRLGEYDLRRWEKWE 235
 Qy 221 OSRVAQVITPSITVPGTNTNDIALRHLQPYVLTDPHVLCLPERTESRTLAFV-RFS 279
 Db 236 LDLDIKEVVFPHNPKSTTDNDIALHLQPATLSQTIVPCLPDGLAERLNQOET 295
 Qy 280 LVSONGQOLDGATA---LEMLVNLPRMWDQCLQOSRSRKVGDSNITEMFAGYSD 334
 Db 295 LYTCGWGVISREAKRNTRTVFIKIFVPHNECBWM----SNVSENMICAGLG 350
 Qy 335 GSKDCKGDSGGPHATHYGTWYLGIWSWQGQCATVGHFGVTRVSQYIENQKLMS 394
 Db 351 DRDACEGDSGGPVAVSFHGTFWLGLVSWGECGGLLHNNGVYTKVSRYLDWIGHIRDK 410
 Qy 395 PRP 397
 Db 411 EAP 413

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